



AMENDMENT TO THE CLAIMS

a manual actuator positioned in operative relationship with the movable valve structure enabling movement of the valve structure between at least three discrete positions including:

a) a first position enabling the second liquid to flow through the valve structure to create a reduced pressure in the valve structure which draws the first liquid out of the cartridge and into the valve structure whereby the first and the second liquids mix to form an outlet stream which flows through the valve structure;

b) a second position enabling the second liquid only to flow through the valve structure and blocking the flow of the first liquid through the valve structure, and

c) a third position blocking the first and the second liquids from flowing through the valve structure; and

an orifice disposed in the spraying device for metering a predetermined amount of the first liquid from the cartridge into the valve structure when the valve structure is in the first position to achieve a predetermined ratio of the first liquid to the second liquid in the outlet stream.

Claim 2 (Previously Presented) The spraying device of claim 1, wherein the first liquid is a chemical.

Claim 3 (Previously Presented) The spraying device of claim 1, wherein the second liquid is water.

Claim 4 (Original) The spraying device of claim 1, wherein the metering orifice is disposed in the sprayer body.

Claim 5 (Original) The spraying device of claim 1, wherein the metering orifice is disposed in the cartridge.

Claim 6 (Original) The spraying device of claim 1, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 7 (Canceled)

Claim 8 (Previously Presented) The spraying device of claim 1, wherein the valve structure is coupled to a spray nozzle.

Claim 9 (Original) The spraying device of claim 8, wherein the spray nozzle is rotatably adjustable to provide different spray patterns.

Claim 10 (Original) The spraying device of claim 1, wherein the cartridge is made of flexible plastic.

Claim 11 (Previously Presented) The spraying device of claim 1, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 12 (Previously Presented) The spraying device of claim 1, wherein the cartridge includes a check valve for keeping the cartridge sealed until the first liquid is drawn out of the cartridge.

Claim 13 (Currently Amended) The spraying device of claim 12-1, wherein the check valve includes a duckbill portion and an umbrella portion.

Claim 14 (Original) The spraying device of claim 1, wherein the cartridge is not refillable.

Claim 15 (Original) The spraying device of claim 1, wherein the cartridge is refillable.

Claim 16 (Original) The spraying device of claim 1, wherein the cartridge includes a secondary threaded closure.

Claim 17 (Original) The spraying device of claim 1, wherein the conduit is coupled to a hose coupler.

Claim 18 (Original) The spraying device of claim 17, wherein the hose coupler includes an anti-siphon unit.

Claim 19 (Previously Presented) A spraying device comprising:

- a sprayer body coupled to a cartridge containing a first liquid;
- the sprayer body comprising:
 - a conduit for receiving a second liquid;
 - a valve structure coupled to the conduit, the valve structure allowing passage of the second liquid through the valve structure to create a reduced pressure that draws the first liquid out of the cartridge and into the valve structure without the need for a dip tube, the valve structure enabling the first and the second liquids to mix and form an outlet stream,
 - the valve structure being movable between at least three positions including a first position for allowing the first and the second liquids to flow, a second position for allowing the second liquid to flow and for blocking the first liquid, and a third position for blocking flow of the first and the second liquids; and
 - an orifice disposed in the spraying device for metering a predetermined amount of the first liquid into the valve structure to achieve a predetermined ratio of the first liquid to the second liquid in the outlet stream.

Claim 20 (Original) The spraying device of claim 19, wherein the metering orifice is disposed in the sprayer body.

Claim 21 (Original) The spraying device of claim 19, wherein the metering orifice is disposed in the cartridge.

Claim 22 (Original) The spraying device of claim 19, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 23 (Previously Presented) The spraying device of claim 19, further including a spray nozzle coupled to the valve structure and being rotatably adjustable to provide different spray patterns.

Claim 24 (Previously Presented) The spraying device of claim 19, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 25 (Original) The spraying device of claim 19, wherein the cartridge includes a check valve.

Claim 26 (Previously Presented) The spraying device of claim 19, further including a hose coupler that is connected to the conduit and includes an anti-siphon unit.

Claim 27 (Previously Presented) A spraying device comprising:

- a sprayer body for removable connection with a cartridge containing a first liquid, the cartridge being oriented such that gravity exerts a downward force on the first fluid;
- the sprayer body comprising:
 - a conduit for receiving a second liquid;
 - a rotatable valve structure coupled to an actuator and the conduit,
 - the rotatable valve structure allowing the second liquid to flow through the valve structure to create a low pressure that draws the first liquid out of the cartridge and into the valve structure without the need for a dip tube, the rotatable valve structure enabling the first and the second liquids to mix and form an outlet stream,

the actuator and the rotatable valve structure being movable between at least two positions including a first position for allowing the first and the second liquids to flow and a second position for allowing the second liquid to flow and for blocking the first liquid from flowing; and

an orifice disposed in the spraying device for metering a predetermined amount of the first liquid into the valve structure to achieve a predetermined ratio of the first liquid to the second liquid in the outlet stream.

Claim 28 (Original) The spraying device of claim 27, wherein the metering orifice is disposed in the sprayer body.

Claim 29 (Original) The spraying device of claim 27, wherein the metering orifice is disposed in the cartridge.

Claim 30 (Original) The spraying device of claim 27, wherein the metering orifice is on a metering disc that is adjustable to select one of several orifice sizes.

Claim 31 (Previously Presented) The spraying device of claim 27, wherein the cartridge is capable of being disconnected from the sprayer body to enable the first liquid to be dispensed from the cartridge by squeezing the cartridge in an inverted position.

Claim 32 (Original) The spraying device of claim 27, wherein the cartridge includes a check valve.

Claim 33 (Previously Presented) The spraying device of claim 27, wherein the actuator and the rotatable valve structure are movable into at least a third position wherein the flow of the first and the second liquids are blocked.